

ABSTRACT OF THE DISCLOSURE

A display panel device includes a plurality of row electrode pairs and a plurality of column electrodes. Each row electrode pair includes a first and second electrodes. Unit light emission areas are formed at intersections of the row electrode pairs and the column electrodes. Each unit light emission area includes a first discharge cell and a second discharge cell. The second discharge cell includes a light-absorbing layer and secondary electron emission material layer. When driving the display panel device, sustain discharge responsible for light emission governing the display image is induced in the first discharge cells, whereas reset discharge and address discharge accompanied by light emission not contributing to the display image is induced in the second discharge cells.